
Sistemi napajalnih razvodnic - 22. del: Posebne zahteve za sisteme napajalnih razvodnic, namenjene za montažo na podu ali pod njim (IEC 61534-22:2009)

Powertrack systems - Part 22: Particular requirements for powertrack systems intended for on floor or under floor installation (IEC 61534-22:2009)

Stromschienensysteme - Teil 22: Besondere Anforderungen für Stromschienensysteme für Fußbodeninstallationen (IEC 61534-22:2009)

Systèmes de conducteurs préfabriqués - Partie 22: Exigences particulières pour les systèmes de conducteurs préfabriqués destinés au montage sur le sol ou en sous-sol (CEI 61534-22:2009)

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Ta slovenski standard je istoveten z: EN 61534-22:2009

ICS:

29.060.10	Žice	Wires
29.120.20	Spojni elementi	Connecting devices

SIST EN 61534-22:2009**en,fr**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61534-22

April 2009

ICS 29.060.10; 29.120.20

English version

**Powertrack systems -
Part 22: Particular requirements for powertrack systems
intended for on floor or under floor installation
(IEC 61534-22:2009)**

Systèmes de conducteurs préfabriqués -
Partie 22: Exigences particulières
pour les systèmes de conducteurs
préfabriqués destinés au montage
sur le sol ou sous le sol
(CEI 61534-22:2009)

Stromschiensysteme -
Teil 22: Besondere Anforderungen
für Stromschiensysteme
für Fußbodeninstallationen
(IEC 61534-22:2009)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

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CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 23A/580/FDIS, future edition 1 of IEC 61534-22, prepared by SC 23A, Cable management systems, of IEC TC 23, Electrical accessories, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61534-22 on 2009-04-01.

This standard is to be used in conjunction with EN 61534-1:2003, Powertrack systems – Part 1: General requirements.

The clauses of the particular requirements of this Part 22 add to or modify the corresponding clauses in Part 1. Where the text of Part 22 indicates an “addition” or a “deletion” or a “replacement” of the relevant requirement, test specification or explanation of Part 1, these changes are made to the relevant text of Part 1, which then becomes part of the standard. Where no change is necessary, the words: “This clause of Part 1 is applicable” are used in Part 22.

Subclauses, tables and figures which are in addition to those in Part 1 are numbered starting with 101.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2010-01-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2012-04-01

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Endorsement notice

The text of the International Standard IEC 61534-22:2009 was approved by CENELEC as a European Standard without any modification.

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Edition 1.0 2009-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Powertrack systems –
Part 22: Particular requirements for powertrack systems intended for on floor or under floor installation

Systèmes de conducteurs préfabriqués –
Partie 22: Exigences particulières pour les systèmes de conducteurs préfabriqués destinés au montage sur le sol ou sous le sol

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

POWERTRACK SYSTEMS –

Part 22: Particular requirements for powertrack systems intended for on floor or under floor installation

FOREWORD

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International Standard IEC 61534-22 has been prepared by subcommittee 23A: Cable management systems, of IEC Technical Committee 23: Electrical accessories.

The text of this standard is based on the following documents:

FDIS	Report on voting
23A/580/FDIS	23A/590/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This standard is to be used in conjunction with IEC 61534-1:2003, Powertrack systems – Part 1: General requirements.

The clauses of the particular requirements of this Part 22 add to or modify the corresponding clauses in Part 1. Where the text of Part 22 indicates an "addition" or a "deletion" or a "replacement" of the relevant requirement, test specification or explanation of Part 1, these changes are made to the relevant text of Part 1, which then becomes part of the standard. Where no change is necessary, the words: "This clause of Part 1 is applicable" are used in Part 22.

Subclauses, tables and figures which are in addition to those in Part 1 are numbered starting with 101.

A list of all parts of IEC 61534 series, published under the general title *Powertrack systems*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended

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POWERTRACK SYSTEMS –

Part 22: Particular requirements for powertrack systems intended for on floor or under floor installation

1 Scope

This clause of Part 1 is applicable except as follows:

This standard applies to PT systems which are intended to be mounted on, or under the floor level and floor service units which are mounted on the floor, under the floor or flush with the floor.

NOTE 1 Types and applications are shown in Figures AA.1a, AA.1b and AA.2

NOTE 2 Flush floor PT systems, with the exception of flush floor service units, are not covered by this standard.

2 Normative references

This clause of Part 1 is applicable.

3 Terms and definitions (standards.iteh.ai)

This clause of Part 1 is applicable except as follows:

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Additional terms and definitions:

3.101 under floor PT system

PT system whose components, except flush floor service units, are intended for installation beneath the finished floor and in normal use are not exposed to traffic loads

NOTE Examples are shown in Figures AA.1a and AA.1b

3.102 on floor PT system

PT system whose components are mounted on the floor surface

NOTE An example is shown in Figure AA.2.

3.103 finished floor

floor which carries the traffic load and which may be made of concrete, wood, or the like and which may or may not be completed with floor covering material such as carpet, tile, paint, parquet or similar means

3.104 apparatus mounting device

system component to accommodate electrical apparatus, for example switches, socket outlets, circuit-breakers

3.105**floor service unit**

apparatus mounting device used when installing a floor system

3.106**flush floor service unit**

floor service unit when not in use is flush with the finished floor

3.107**in-use floor service unit**

floor service unit which has cables and/or cords connected to external electrical appliances

3.108**not in-use floor service unit**

floor service unit which has no cables and/or cords connected to external electrical appliances

3.109**dry-treatment of floor**

process for cleaning and/or care by which the floor is treated without liquids or with only a small quantity of liquid. The required agents are applied and spread in such quantities that no pools are formed and soaking of the floor covering does not occur

NOTE Examples of dry treatment are: sweeping with a broom or carpet-sweeper, vacuum cleaning, brushing, cleaning with a dry cleaning powder, dry shampoo treatment, wet shampooing of carpets, treatment with cleaning litter (liquid chemical cleaning agent on a solid material used as carrier, for example soaked sawdust, damp cloth, etc.).

3.110**wet-treatment of floor**

process for cleaning and/or care by which the floor is treated with liquid agents such that pools of liquid, or soaking of the floor covering for a brief period of time cannot be excluded

NOTE Examples of wet treatment are: wet scrubbing, manual or mechanical wiping.

4 General requirements

This clause of Part 1 is applicable:

5 General notes on tests

This clause of Part 1 is applicable:

6 Ratings

This clause of Part 1 is applicable:

7 Classification

This clause of Part 1 is applicable except as follows:

Replacement:

7.1 According to resistance to impact for installation and application

- PT system for 5 J impact;
- PT system for 20 J impact.

Additional subclauses:

7.101 According to floor treatment

7.101.1 Dry-treatment of floor

7.101.2 Wet-treatment of floor for not in-use floor service unit

7.101.3 Wet-treatment of floor for in-use floor service unit

7.102 According to the intended location

7.102.1 Under floor PT system

7.102.2 On floor PT system

7.103 According to resistance to traffic load applied to small surface area on a flush floor service unit

7.103.1 750 N

7.103.2 1 000 N

7.103.3 1 500 N

7.103.4 2 000 N

7.103.5 2 500 N

7.103.6 3 000 N

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7.104 Optional classification according to resistance to traffic load applied to large surface area on a flush floor service unit

7.104.1 2 000 N

7.104.2 3 000 N

7.104.3 5 000 N

7.104.4 10 000 N

7.104.5 15 000 N

8 Marking and documentation

This clause of Part 1 is applicable.

9 Construction

This clause of Part 1 is applicable with the following additional subclauses:

9.101 Under floor powertrack system components shall withstand external loads during transport and installation but are not subjected to traffic loads in normal use.